

CNC YAG Laser Metal Cutting Machine

This CNC machine utilizes a YAG laser to precisely cut metal sheets. It can process materials up to 6mm thick with a maximum cutting speed of 8m/min.



ADDITIONAL IMAGES



Overview

Industrial Precision Cutting Solution

This CNC YAG laser cutting machine integrates advanced optical, mechanical, and electrical technologies to deliver high-efficiency metal processing. Designed for versatility, it handles a wide range of materials including stainless steel, carbon steel, and aluminum up to 6mm thick. With its robust gantry structure and high-performance CNC control, it ensures smooth cutting surfaces, minimal heat-affected zones, and high-speed production for industrial applications.

Key Performance Metrics

Performance Highlights

500 W

Output Power

10 m/min

Max Cutting Speed

6 mm

Max Cutting Thickness

Technical Specifications

Technical Data

| Parameter | Value |
|-----------------|-----------------|
| Laser Medium | Nd: YAG |
| Wavelength | 1064nm |
| Working Power | 380V/50HZ/50A |
| Cutting Area | 2500mm x 1250mm |
| Cooling Method | Water cooling |
| Pulse Frequency | 0-500Hz |
| Min Line Width | d0.1mm |

Operational Capabilities

Typical Industries

- Sheet-metal structure
- Electrical cabinet production
- Hardware manufacturing
- Advertising signs
- Metal crafts
- Aviation
- Mechanical parts

Compatible Materials

Stainless Steel, Carbon Steel, Alloy Steel, Spring Steel, Aluminum, Silver, Copper, Titanium

Continuous Operation

24 hours